SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Spermine synthase antibody

SL8681R

Product Name:	Spermine synthase
Chinese Name:	精胺合成酶抗体
Alias:	MRSR; SMS; Snyder Robinson X linked mental retardation syndrome; Spermidine aminopropyltransferase; Spermine synthase; SPMSY; SpS; SPSY_HUMAN; SRS.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Spermine synthase:245-350/366
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Spermine synthase catalyzes the production of spermine from spermidine. Spermine, a polyamine ubiquitously present in most organisms, is essential for normal cell growth and differentiation. Because absence of spermine increases sensitivity of cells to anti-tumor agents, spermine synthase (and other polyamine biosynthesis) is an attractive target for anti-neoplastic therapy. **Function:**

Catalyzes the production of spermine from spermidine and decarboxylated S-adenosylmethionine (dcSAM).

Subunit:
Homodimer. Dimerization is mediated through the N-terminal domain and seems to be required for activity as deletion of the N-terminal domain causes complete loss of activity.

DISEASE:
efects in SMS are the cause of X-linked syndromic mental retardation Snyder-Robinson type (MRXSSR) [MIM:309583]. Characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis, kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive.

Similarity:
Belongs to the spermidine/spermine synthase family.

SWISS:
P52788

Gene ID:
6611

Database links:

Entrez Gene: 6611Human

Entrez Gene: 20603Mouse

Entrez Gene: 671878Mouse

Entrez Gene: 363469Rat

Omim: 300105Human

SwissProt: P52788Human

SwissProt: P97355Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.